

Title (en)

Free-falling tip with full locking.

Title (de)

Frei fallende Schiebelasche mit Feststelleinrichtung.

Title (fr)

Ferrure coulissante de sangle avec blocage total.

Publication

EP 0430522 B1 19940622 (EN)

Application

EP 90312561 A 19901119

Priority

US 44130889 A 19891127

Abstract (en)

[origin: CA2030924A1] A free-falling, self-locking adjustable tip assembly is provided for a safety belt apparatus, which has a seat belt retractor at one belt end for rewinding the belt and pulling one belt portion into a generally vertical position at belt release. A tip-assembly engagement means contacts the belt and acts on a slide with a first set of teeth to move the slide to bite and grip the belt, and force the belt against a second set of teeth on a tongue plate for locking the belt against transfer, which tip-assembly tongue plate has an opening for the belt and is connectable to a buckle.

IPC 1-7

B60R 22/30; **A44B 11/06**

IPC 8 full level

A44B 11/25 (2006.01); **B60R 22/10** (2006.01); **B60R 22/12** (2006.01); **B60R 22/30** (2006.01); **B60R 22/18** (2006.01)

CPC (source: EP KR US)

A44B 11/2557 (2013.01 - EP US); **A44B 11/2561** (2013.01 - EP US); **B60R 22/00** (2013.01 - KR); **B60R 22/30** (2013.01 - EP US); **B60R 2022/1812** (2013.01 - EP US); **Y10T 24/4019** (2015.01 - EP US); **Y10T 24/4084** (2015.01 - EP US)

Cited by

US9623837B2

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

US 4979764 A 19901225; CA 2030924 A1 19910528; DE 69010159 D1 19940728; DE 69010159 T2 19941006; EP 0430522 A1 19910605; EP 0430522 B1 19940622; JP H03227755 A 19911008; KR 910009509 A 19910628

DOCDB simple family (application)

US 44130889 A 19891127; CA 2030924 A 19901127; DE 69010159 T 19901119; EP 90312561 A 19901119; JP 32513290 A 19901127; KR 900019197 A 19901126